

Title (en)

Composite material having improved bond strength and process for making the same.

Title (de)

Verbundwerkstoff mit erhöhter Haftfestigkeit und Verfahren zu seiner Herstellung.

Title (fr)

Matériau composite à adhérence améliorée et procédé pour sa fabrication.

Publication

EP 0098139 A2 19840111 (EN)

Application

EP 83303698 A 19830627

Priority

US 39299982 A 19820628

Abstract (en)

A composite material having improved bond strength and a substantially smooth external surface comprises a deoxidized copper alloy core material and a copper- aluminium-silicon clad material. The composite is formed by rolling together the core and clad, preferably in an unheated condition, in a single pass with a reduction of about 50% to 75% to form a metallurgical bond between the core and clad and thereafter enhancing the bond strength by heating the bonded core and cladding to a temperature in the range of about 200°C to about 750°C for a time period of about 5 minutes to about 24 hours.

IPC 1-7

B32B 15/01; **B23K 20/04**

IPC 8 full level

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CPC (source: EP US)

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